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(54) Title: HAIR TREATMENT COMPOSITIONS COMPRISING HYDROXY COMPOUNDS

(57) Abstract: The invention provides a hair treatment composition such as a shampoo or conditioner suitable for topical application to hair for the repair and prevention of damage comprising a hydroxy compound having the following parameters: i) electrotopological state indice of OH S_sOH<9.26 (ii) multigraph information content indice BIC>0.8 (iii) electrotopological state indice of CH3 S_sCH3<6.26 and (iv) a molecular weight greater than 90 wherein the composition does not dye the hair. Preferred hydroxy compounds are 2-methyl-2-hexanol, 2-methyl-2-heptanol, 2-methyl-3-heptanol, 2-methyl-2-pentanol, 2-methyl-3-hexanol, 3-methyl-2-pentanol, 2-methyl-1-pentanol.

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